

IN THE CLAIMS:

Please amend claims 1, 2, 7, 9-20, 22-27, 29-37, 39, 40, 42 and 43 as indicated in the following.

Please cancel claims 3-6 and 8 without prejudice as indicated in the following.

Please add new claims 44-54 as indicated in the following.

Claims Listing:

1. (Currently Amended) A method comprising ~~the steps of~~:
 receiving a display data;
 determining if a predetermined criteria is met by a first representation of the display data, wherein the first representation of the display data includes a first plurality of display streams to be transmitted to a ~~second~~ first plurality of display devices;
and
 compressing, ~~in a first manner~~, a first display stream of the first plurality of display streams when it is determined that the first representation of the display data does not meet the predetermined criteria.
2. (Currently Amended) The method of claim 1, wherein ~~the step of~~ determining further includes providing the display streams to the ~~second~~ first plurality of display devices using a common medium.
3. – 6. (Canceled)
7. (Currently Amended) The method of ~~claim 3~~ claim 2, wherein the common medium includes wireless Radio Frequency.
8. (Canceled)

9. (Currently Amended) The method of claim 1, wherein the predetermined criteria is determined to be met when ~~it is expected that~~ each display stream of the first plurality of display streams ~~can be~~ is expected to be transmitted in a manner ~~allowing that allows~~ for real time simultaneous display of each of the first plurality of display streams.
10. (Currently Amended) The method of claim 9, wherein ~~the step of~~ determining further includes[[:]] determining if an actual transmission time of a frame of data for a first display stream of the plurality of display streams matches a first predicted transmission time.
11. (Currently Amended) The method of claim 10, wherein ~~the step of~~ determining further includes[[:]] determining, for each display stream in the first plurality of display streams, whether an actual transmission time for a video frame matches a predicted transmission time within a predetermined tolerance.
12. (Currently Amended) The method of claim 9, wherein ~~the step of~~ determining further includes[[:]]determining, for each display stream in the first plurality of display streams, whether an actual transmission time for a video frame matches a predicted transmission time.
13. (Currently Amended) The method of claim 1, wherein there is a one-to-one correspondence between display streams in the first plurality of display streams and display devices in the ~~second~~ first plurality of display devices.
14. (Currently Amended) The method of claim 1, wherein there are fewer display streams in the first plurality of display streams than display devices in the ~~second~~ first plurality of display devices, where at least one stream in the first plurality of display streams is shared by two or more display devices in the ~~second~~ first plurality of display devices.

15. (Currently Amended) The method of claim 1, wherein ~~the step of receiving further includes~~ the display data ~~being~~ comprises video data.
16. (Currently Amended) The method of claim 1, wherein ~~the step of receiving further includes~~ the display data ~~being~~ comprises graphics data.
17. (Currently Amended) The method of claim 1, wherein ~~the step of receiving further includes~~ ~~the display data being~~ comprises digital data.
18. (Currently Amended) The method of claim 1, wherein ~~the step of receiving further includes~~ the display data ~~being~~ comprises analog data.
19. (Currently Amended) The method of claim 1, wherein the display data ~~further~~ includes display data from a plurality of sources.
20. (Currently Amended) The method of claim 1, wherein ~~the step of receiving further includes~~ receiving at least a portion of the display data from a digital data stream having a plurality of multiplexed channels.
21. (Original) The method of claim 20, wherein the digital data stream having a plurality of multiplexed channels is an MPEG data stream.
22. (Currently Amended) The method of claim 1, wherein ~~the step of determining includes~~[[:]] determining if the predetermined criteria is met when the first plurality of display streams is to be transmitted to the ~~second~~ first plurality of display devices using within a fixed bandwidth.

23. (Currently Amended) The method of claim 22, wherein the fixed bandwidth is ~~[[the]]~~a maximum bandwidth of the transmission medium.
24. (Currently Amended) The method of claim 22, wherein the fixed bandwidth is a predetermined portion of ~~[[the]]~~an available bandwidth of the transmission medium.
25. (Currently Amended) The method of claim 22, wherein the fixed bandwidth is ~~[[the]]~~a maximum bandwidth of a processing device that performs the compression of the first display stream~~the step of compressing medium~~.
26. (Currently Amended) The method of claim 1 further comprising ~~the step of~~:
selecting the first display ~~stream~~stream from the first plurality of display streams using a predefined selection method.
27. (Currently Amended) The method of claim 26, wherein the predefined selection method includes ~~[[using]]~~ a round robin method.
28. (Original) The method of claim 26, wherein the predefined selection method includes selecting a display stream of the plurality of display streams having a greatest amount of data.
29. (Currently Amended) The method of claim 26, wherein ~~the step of~~ selecting is based on a prioritization of one or more of the display streams associated with the plurality of display streams.
30. (Currently Amended) The method of claim 26, wherein ~~the step of~~ selecting the first display stream ~~is based upon a previous compression of a display stream in the first plurality of display streams~~includes selecting an uncompressed display stream over a display stream compressed in the first manner.

31. (Currently Amended) The method of claim 1, wherein ~~the step of~~ compressing includes:
compressing in ~~[[the]]~~a first manner when it is determined the first display stream ~~[[is]]~~
has not been ~~previously compressed in the first manner; and~~
compressing in a second manner when it is determined that the first display stream has
been ~~previously compressed in the first manner.~~
32. (Currently Amended) The method of claim 31, wherein ~~the step of~~ compressing further
includes~~[[:]]~~ compressing in a third manner when it is determined that the first display
stream has been ~~previously compressed in the second manner.~~
33. (Currently Amended) A method comprising ~~the steps of~~:
determining, for each display stream of a plurality of display streams, if an estimated
transmit time meets an actual transmit time within a ~~desired~~predetermined
tolerance, ~~if not, there is too much data being transmitted;~~
selecting a first stream of the plurality of display streams based on a prioritization
method;
selecting one of a plurality of compression methods to be applied to the first stream;
and
repeating each of the above steps until the step of determining indicates the actual
transmit time is within the ~~desired~~predetermined tolerance of the estimated
transmit time.
34. (Currently Amended) The method of claim 33, wherein the ~~desired~~predetermined tolerance
is based on a ~~desired~~predetermined transmission rate to provide real time simultaneous
display of each of the plurality of display streams.
35. (Currently Amended) The method of claim 33, wherein one of the plurality of compression
methods includes reducing ~~[[the]]~~a precision of the first display stream.

36. (Currently Amended) The method of claim 33, wherein one of the plurality of compression methods includes reducing ~~[[the]]~~a resolution of the first display stream.
37. (Currently Amended) A method comprising ~~the steps of~~:
receiving a multimedia data stream having a plurality of multimedia channels;
determining, for each multimedia channel in the multimedia data stream, whether an actual transmission time for a multimedia channel matches a predicted transmission time within a predetermined tolerance;
selecting, using a predefined selection method, a first multimedia channel; and
reducing an amount of data ~~to be transmitted~~ associated with the first multimedia channel when it is determined that the actual transmission time of the first multimedia channel exceeds the predicted transmission time by an amount greater than the predetermined tolerance.
38. (Original) The method as in claim 37, wherein the predefined selection method includes a round robin method.
39. (Currently Amended) The method as in claim 37, wherein ~~the step of~~ reducing includes reducing ~~[[the]]~~a precision of the data transmitted ~~[[by]]~~as the first multimedia channel.
40. (Currently Amended) The method as in claim 37, wherein ~~the step of~~ reducing includes reducing ~~[[the]]~~a resolution of the data transmitted ~~[[by]]~~as the first multimedia channel.
41. (Original) The method as in claim 37, wherein the multimedia data stream includes MPEG data.

42. (Currently Amended) A system comprising:

[[a]]one or more data processors;

memory operably coupled to said one or more processors; and

a ~~program-set~~ of instructions capable of being stored in said memory and executed by said one or more processors, said ~~program-set~~ of instructions to manipulate said one or more processors to:

receive a display data;

determine if a predetermined criteria is met by a first representation of the display data, wherein the first representation of the display data includes a first plurality of display streams to be transmitted to a ~~second~~ first plurality of display devices; and

~~compress, in a first manner,~~ a first display stream of the first plurality of display streams when it is determined that the first representation of the display data does not meet the predetermined criteria.

43. (Currently Amended) A computer readable medium tangibly embodying a ~~program-set~~ of instructions to manipulate [[a]]one or more data processors to:

receive a display data;

determine if a predetermined criteria is met by a first representation of the display data, wherein the first representation of the display data includes a first plurality of display streams to be transmitted to a ~~second~~ first plurality of display devices; and

~~compress, in a first manner,~~ a first display stream of the first plurality of display streams when it is determined that the first representation of the display data does not meet the predetermined criteria.

44. (New) The method of claim 33, further comprising:

transmitting the plurality of display streams substantially simultaneously.

45. (New) The system of claim 42, wherein the predetermined criteria includes a real-time transmission of each of the plurality of display streams.

46. (New) The system of claim 42, wherein the predetermined criteria includes a substantially simultaneous transmission of the plurality of display streams within a predetermined bandwidth.
47. (New) The computer readable medium of claim 43, wherein the predetermined criteria includes a real-time transmission of each of the plurality of display streams.
48. (New) The computer readable medium of claim 43, wherein the predetermined criteria includes a substantially simultaneous transmission of the plurality of display streams within a predetermined bandwidth.
49. (New) A method comprising:
determining whether a transmission of a data stream having a plurality of multimedia channels is expected to meet a predetermined criteria;
compressing at least one of the multimedia channels in the data stream to generate a first compressed data stream when the transmission of the data stream is not expected to meet a predetermined criteria; and
determining whether a transmission of the first compressed data stream is expected to meet the predetermined criteria.
50. (New) The method of claim 49, further comprising:
transmitting the first compressed data stream when the transmission of the first compressed data stream is expected to meet the predetermined criteria.
51. (New) The method of claim 49, further comprising:
compressing at least one multimedia channel of the first compressed data stream to generate a second compressed data stream when the transmission of the first data stream is expected to meet the predetermined criteria; and
determining whether a transmission of the second compressed data stream is expected to meet the predetermined criteria.
52. (New) The method of claim 51, further comprising:

transmitting the second compressed data stream when the transmission of the second compressed data stream is expected to meet the predetermined criteria.

53. (New) The method of claim 49, wherein the predetermined criteria includes a real-time transmission of each of the multimedia channels.

54. (New) The method of claim 49, wherein the predetermined criteria includes a transmission of the data stream within a maximum bandwidth.